

**AMENDMENTS TO THE SPECIFICATION:**

Please replace Paragraph [0001] with the following paragraph:

[0001] This application is a continuation application of U.S. application Ser. No. 09/239,598, filed Jan. 29, 1999, which is a continuation-in-part application of application Ser. No. 09/026,618, filed Feb. 20, 1998, entitled "Advanced Active Electronic Devices for Molecular Biological Analysis and Diagnostics and Methods for Manufacture of Same", now issued as U.S. Pat. No. 6,099,803, ~~which is a continuation in part of application Ser. No. 08/753,962, filed Dec. 4, 1996, entitled "Laminated Assembly for Active Bioelectronic Devices", which is a continuation in part of Ser. No. 08/534,454, filed Sep. 27, 1995, entitled "Apparatus and Methods for Active Programmable Matrix Devices", now issued as U.S. Pat. No. 5,849,486, which is a continuation in part of application Ser. No. 08/304,657, filed Sep. 9, 1994, entitled, as amended, "Molecular Biological Diagnostic Systems Including Electrodes", now issued as U.S. Pat. No. 5,632,957, continued as Ser. No. 08/859,644, filed May 20, 1997, entitled "Control System for Active Programmable Electronic Microbiology System" which is a continuation in part of application Ser. No. 08/271,882, filed Jul. 7, 1994, entitled, as amended, "Methods for Electronic Stringency Control for Molecular Biological Analysis and Diagnostics", now issued as U.S. Pat. No. 6,017,696, which is a continuation in part of application Ser. No. 08/146,504, filed Nov. 1, 1993, entitled, as amended, "Active Programmable Electronic Devices for Molecular Biological Analysis and Diagnostics", now issued as U.S. Pat. No. 5,605,662, continued as application Ser. No. 08/725,976, filed Oct. 4, 1996, entitled "Methods for Electronic~~

~~Synthesis of Polymers", now issued as U.S. Pat. No. 5,929,208, and application Ser. No. 08/709,358, filed Sep. 6, 1996, entitled "Apparatus and Methods for Active Biological Sample Preparation", now issued as U.S. Pat. No. 6,129,828, and is related to application Ser. No. 08/677,305, filed Jul. 9, 1996, entitled "Multiplexed Active Biological Array", now issued as U.S. Pat. No. 5,965,452, and is also related to application Ser. No. 08/846,876, filed May 1, 1997, entitled "Scanning Optical Detection System", all incorporated herein by reference as if fully set forth herein.~~